

## **OSCAL Workshop: Applicability of OSCAL for Healthcare**

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# Our Presenter



**Vikas Khosla**

Chief Digital Health Security Officer

- ▶ 20+ years in Healthcare Security, Privacy and Compliance
- ▶ Previously founded and lead 100% healthcare security consultancy
- ▶ Focused on optimization of enterprise security programs
- ▶ Host of “Virtual Coffee Chats with Vikas” podcast

# Agenda



- Current Landscape and Regulations in Healthcare
- Special Challenges in the Healthcare Sector
- The Need for Scalability and Standards
- Sample of OSCAL Automation
- OSCAL APIs: Achieving a "Single Pane of Glass View of Risks"
- Q&A

## Healthcare Sector Feeling “Cybersecurity-Pressure”



**34%**

Share of global healthcare sector  
suffering a ransomware attack in the  
last year  
*(Source: HHS)*

**33%**

Percentage of all third-party breaches  
targeting healthcare  
*(Source: Black Kite)*

**\$250** value of a Healthcare Record

**\$5** value of Credit Card data

*(Source: Trustwave)*

**45,000,000**

Number of healthcare records  
stolen or exposed in 2021

*(Source: HIPAA Journal)*

**8M hours - \$2B annually**

Healthcare industry level of effort and cost to perform a  
manual HIPAA Security Assessment

\*Includes physician practices, hospitals and health insurers

*(Source: Intracorp Health)*

# Tailwinds for Adopting Cybersecurity Automation



## Recent Events and Legislation

### Stark Safe Harbor

- ▶ Allows for the donation of cybersecurity technology (including hardware) and related services if certain conditions are met.

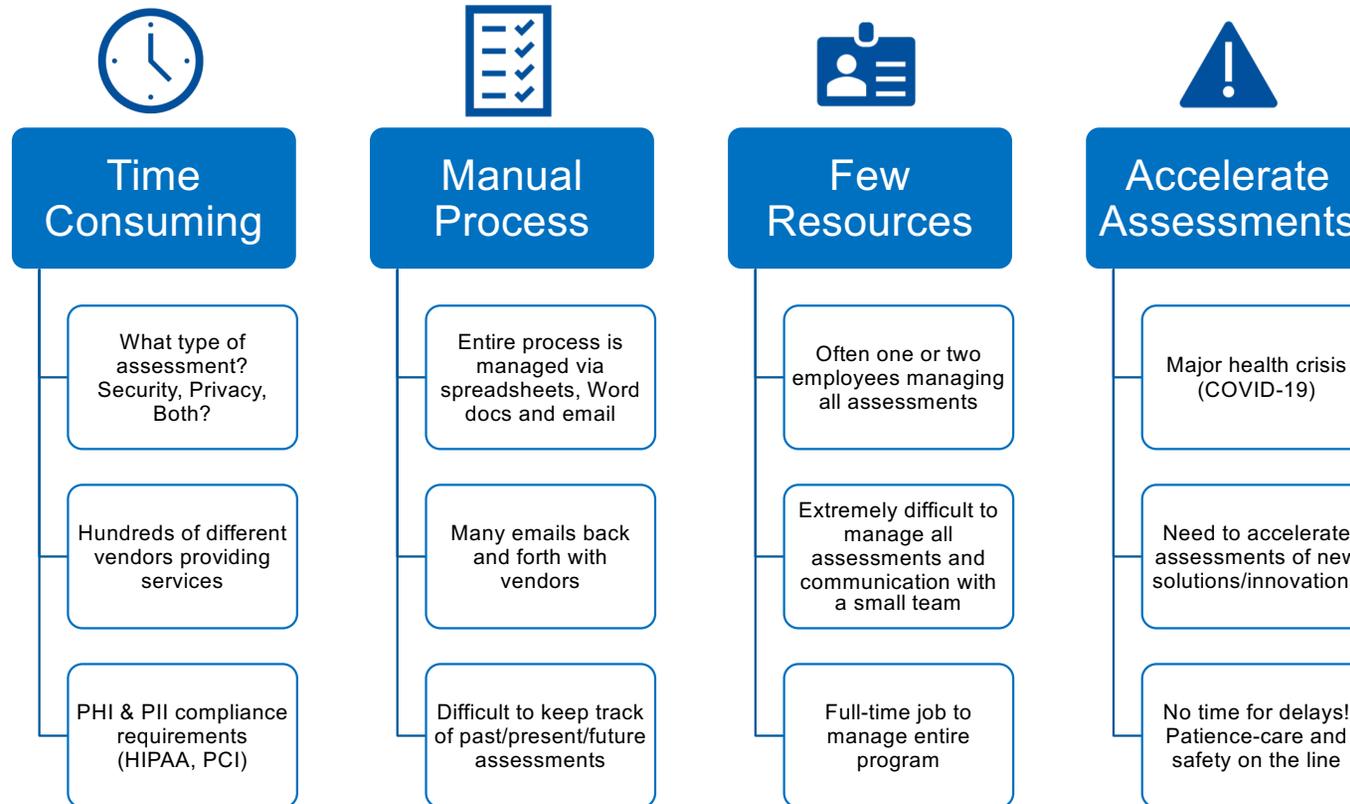
### HIPAA Privacy Rule Proposed Changes

- ▶ Better support individuals' engagement in their care, remove barriers to coordinated care, and reduce regulatory burdens on the healthcare industry

### HIPAA/HITECH Safe Harbor (H.R. 7898)

- ▶ When investigating/undertaking HIPAA enforcement the legislation directs HHS to consider the use of industry-standard security practices, cybersecurity preparedness when calculating fines, and decreased audit lengths.

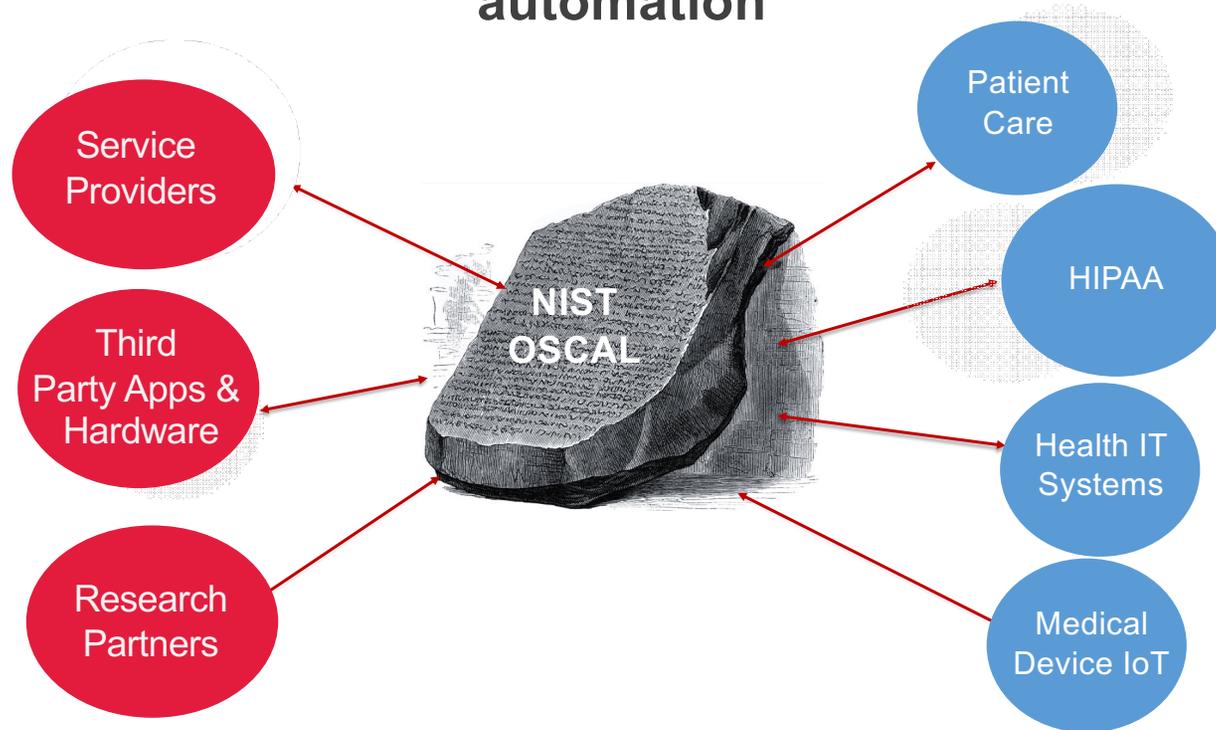
# Industry-wide Challenges



# “The Rosetta Stone” for Healthcare Assessors



OSCAL enables tools and organizations to exchange risk information via automation

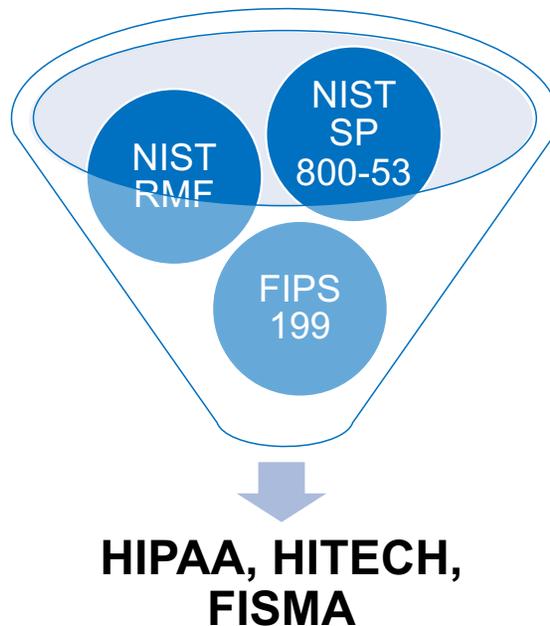


OSCAL sets the foundation for automation and interoperability

## An Efficient Compliance and Security Program using OSCAL

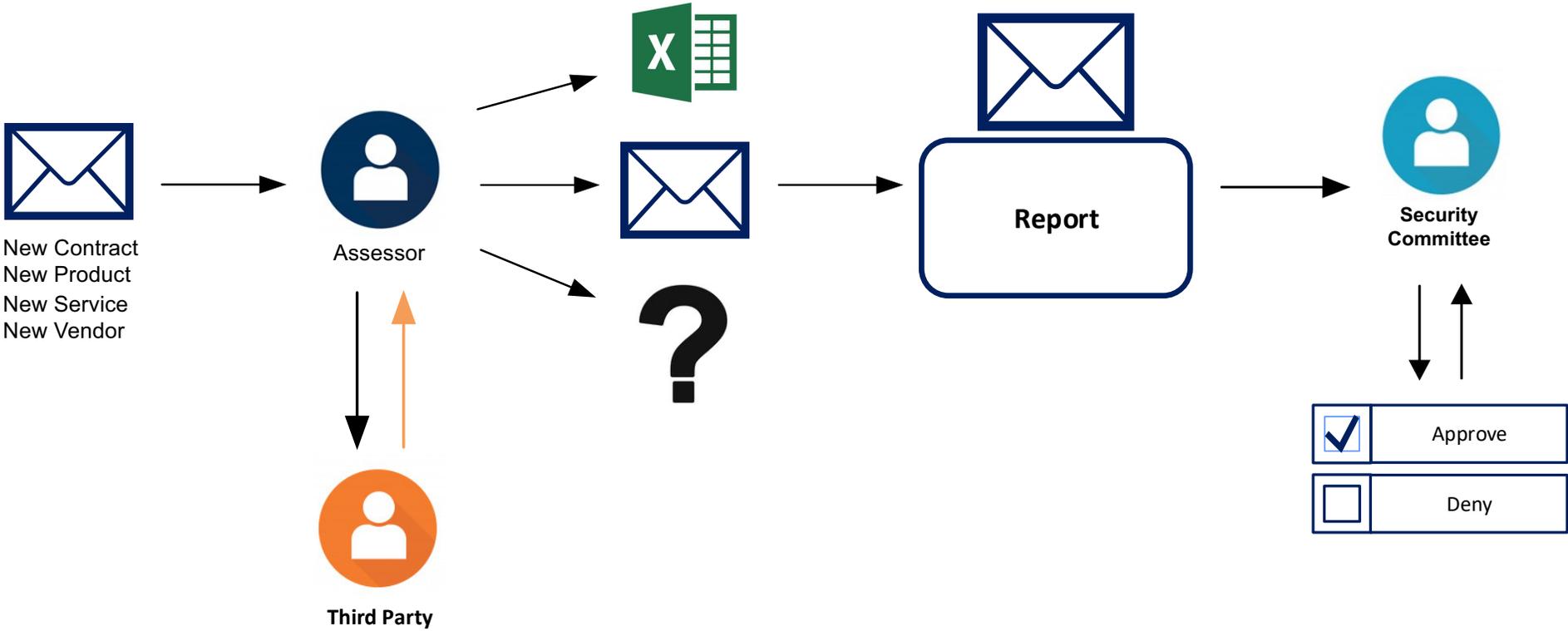


### Building a Centralized Repository of Compliance Standards and Risk Data using OSCAL

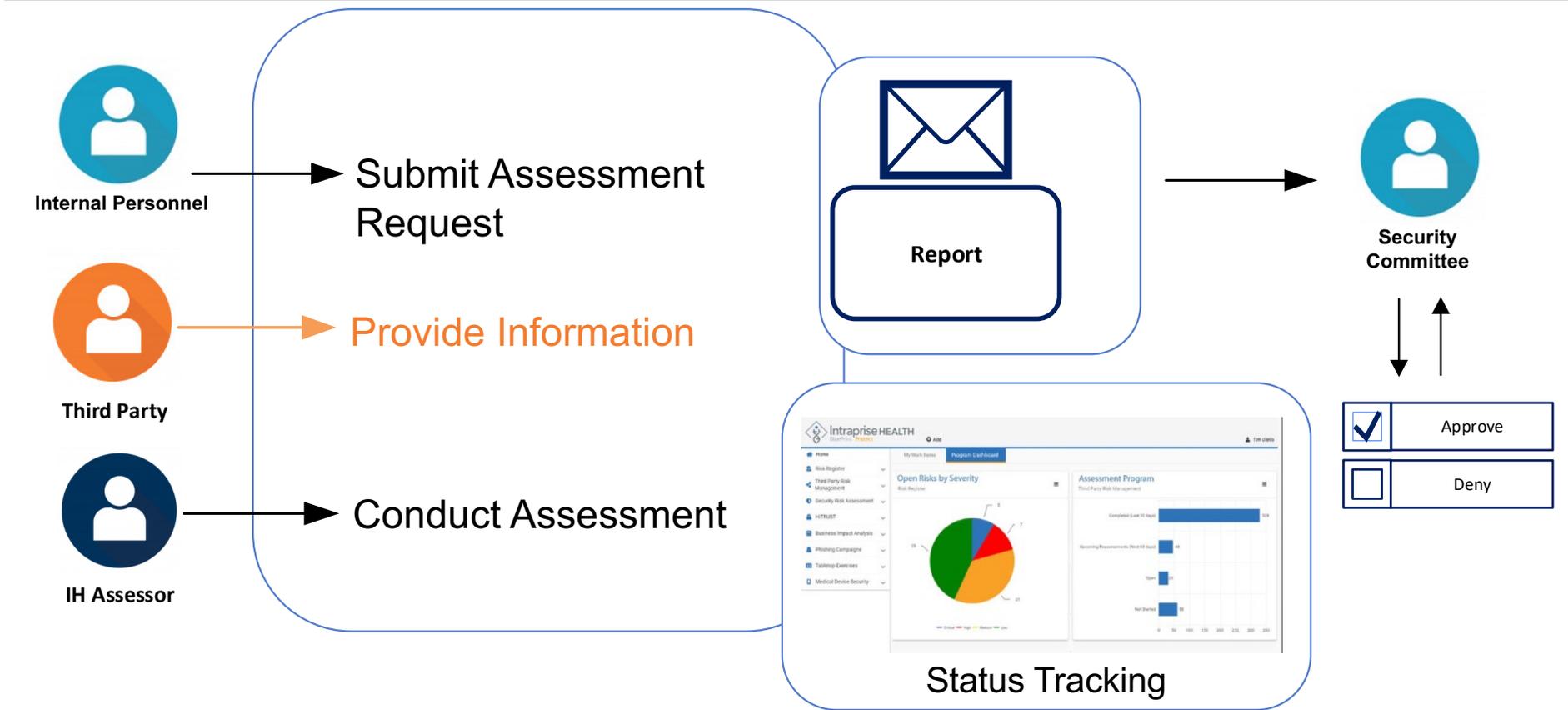


- Utilize Standards to accelerate Compliance and Cyber-Resilience
- *"Single-Pane of Glass" View of Risks* – Unified, Normalized and Interoperable
- Scalable across healthcare sector participants
- Significant overlap of companies doing business with federal and healthcare sector customers

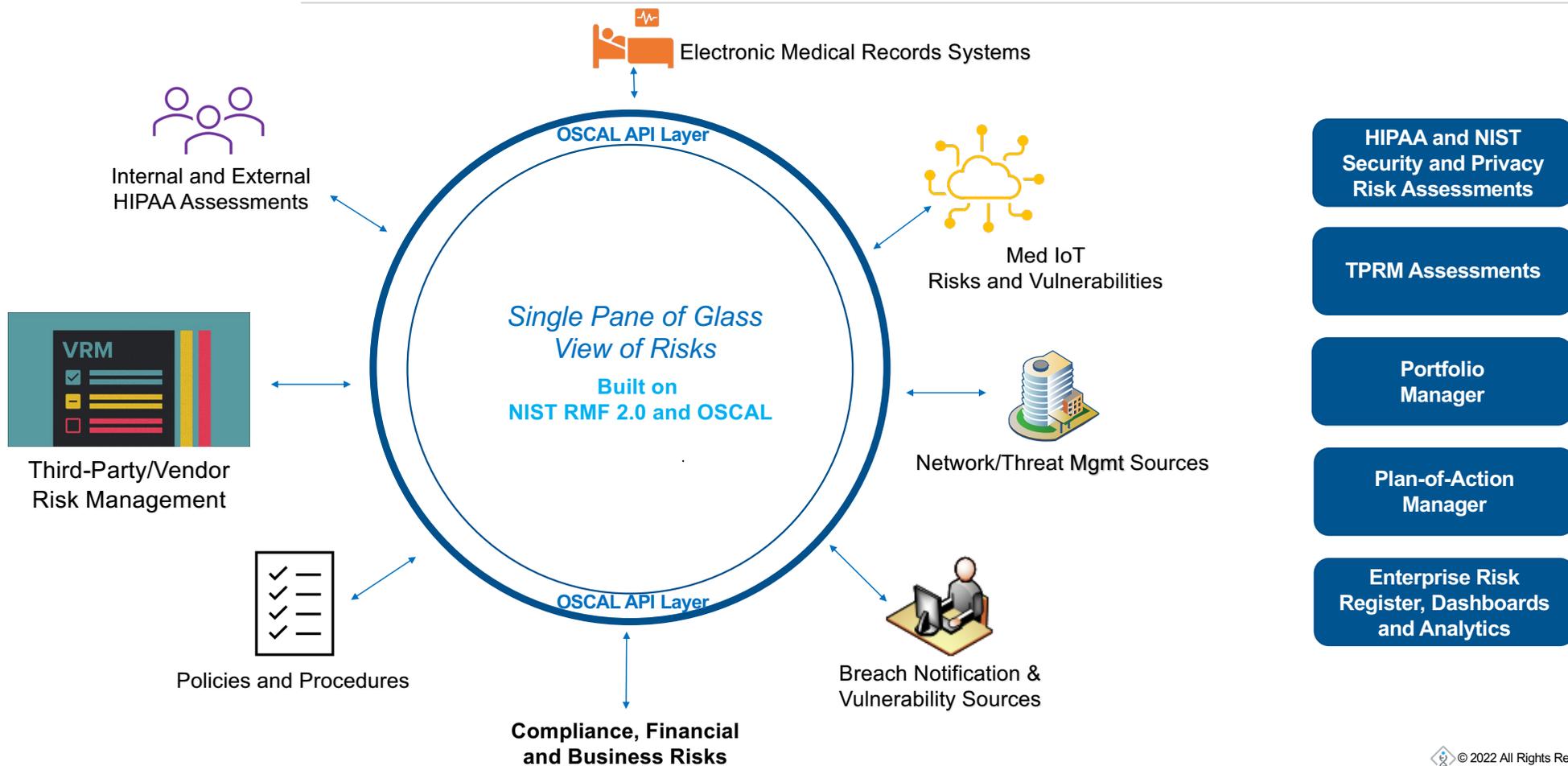
# Before: Manual Third-Party Assessment Process



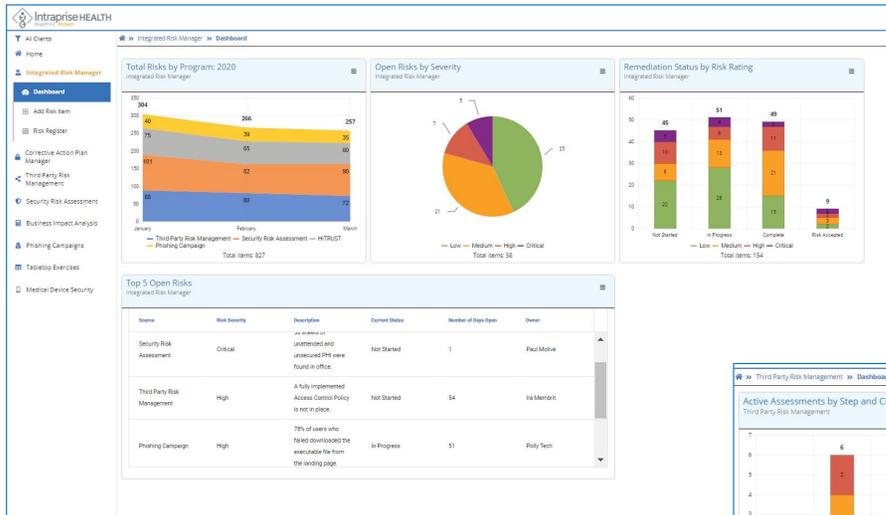
# After: Automated Third-Party Assessment Process



# OSCAL and RMF enabled Integrated Risk Management



# Informed Decision Making



IRM Dashboards

- Enterprise, Holistic View
- Drive Program Maturity
- Assessment and Workflow Automation
- Analytics and Visualizations



TPRM Dashboards

